

10/591678

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SEQUENCE LISTING

<110> EVOTEC NEUROSCIENCES

<120> DIAGNOSTIC AND THERAPEUTIC USE OF MAL2 GENE AND PROTEIN
FOR NEURODEGENERATIVE DISEASES

<130> 043323wo Me/FM

<140> PCT/EP2005/050850

<141> 2005-02-28

<150> US 60/549,147

<151> 2004-03-03

<160> 16

<170> PatentIn Ver. 2.1

<210> 1

<211> 176

<212> PRT

<213> Homo sapiens

<400> 1

Met Ser Ala Gly Gly Ala Ser Val Pro Pro Pro Pro Asn Pro Ala Val
1 5 10 15

Ser Phe Pro Pro Pro Arg Val Thr Leu Pro Ala Gly Pro Asp Ile Leu
20 25 30

Arg Thr Tyr Ser Gly Ala Phe Val Cys Leu Glu Ile Leu Phe Gly Gly
35 40 45

Leu Val Trp Ile Leu Val Ala Ser Ser Asn Val Pro Leu Pro Leu Leu
50 55 60

Gln Gly Trp Val Met Phe Val Ser Val Thr Ala Phe Phe Ser Leu
65 70 75 80

Leu Phe Leu Gly Met Phe Leu Ser Gly Met Val Ala Gln Ile Asp Ala
85 90 95

Asn Trp Asn Phe Leu Asp Phe Ala Tyr His Phe Thr Val Phe Val Phe
100 105 110

Tyr Phe Gly Ala Phe Leu Leu Glu Ala Ala Ala Thr Ser Leu His Asp
115 120 125

Leu His Cys Asn Thr Thr Ile Thr Gly Gln Pro Leu Leu Ser Asp Asn
130 135 140

Gln Tyr Asn Ile Asn Val Ala Ala Ser Ile Phe Ala Phe Met Thr Thr
145 150 155 160

Ala Cys Tyr Gly Cys Ser Leu Gly Leu Ala Leu Arg Arg Trp Arg Pro
165 170 175

tttgtttccc aggtatagca ggcttatgtt tggtggcatt aaattggttt ctttaaaatg 2520
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aaggcgttga acaaaaatta tggcatttaa gaatttaaca tgtcttagct gtaaaaatga 2700
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<210> 3
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<223> Description of Artificial Sequence:nucleotide
sequence of the 270 bp MAL2 cDNA fragment

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ctgtgaatac tttagatttg agcttaatca cattctagac ttgtgagttg aatgacaag 120
cagttgaaca aaaattatgg catttaagaa tttaacatgt ctttagctgtaa 180
agtgtggtt ggtttaaaaa tctggtaact ccatgtatggaa aagaaaattta ttttatacgt 240
gttatgtctc taataaaagta ttcatattgat 270

<210> 4
<211> 531
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:coding sequence
of the human MAL2 gene

<400> 4
atgtcgcccg gccccggcgtc agtcccgccg ccccccgaacc ccggccgtgtc cttcccgccg 60
ccccgggtca ccctgcggcgc cggcccccgcac atcctgcggcgtc cctactcggtt cgccttcgtc 120
tgcctggaga ttctgttcgg gggcttgcgtc tggatttttgg ttgccttcgtc caatgttcct 180
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ctggattttg cttaccattt tacatgtattt gtcttctattt ttggagcctt tttatggaa 360
gcagcagcca catccctgcata tgatttgcattt tgcaatacaaa ccataaccgg gcagccactc 420
ctgagtgtata accagtataaa cataaacgtatc gcagcctcaaa tttttgcctt tatgacgaca 480
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<210> 5
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<220>
<223> Description of Artificial Sequence:primer for the
human MAL2 gene

<400> 5

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tggcctcaact cttaatgtc ctt	23
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<210> 15
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<400> 15
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<211> 23
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<223> Description of Artificial Sequence:primer for the
human transferrin receptor TRR gene

<400> 16
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